

### ABSTRACT

The present invention provides a luminaire system and method for creating white light having a desired colour temperature. The system comprises one or more white light light-emitting elements for generating white light having a particular colour temperature.

- 5 The system further comprises one or more first colour light-emitting elements and one or more second colour light-emitting elements. The luminaire system mixes the coloured light generated by the first and second colour light-emitting elements with the white light of a particular colour temperature, in order to create white light having a desired correlated colour temperature.